

## AMENDMENTS TO THE SPECIFICATION

Replace the abstract with the following amended abstract:

The inductive coupling for transferring electrical energy to or from a transducer and measuring circuit, consists of a male connector part (2) and a female connector part (10). The male part (2), includes a single layer solenoid (7) wound on a ferromagnetic rod (6), the ends of the solenoid (5a and 5b) connected to conductors (3a and 3b) connected to an ultrasound probe (not shown) via cable (1). The female part (10) includes a single layer solenoid (11). The ends of solenoid (11) are brought out to terminals ~~(12a and 12b)~~ (13a and 13b) to facilitate electrical connection to the ultrasound drive electronics (not shown). The coupling provides a simple sealed signal connection between the cable connected with the transducer and the measuring circuit electronics without the disadvantages of having exposed contact surfaces. The cable connector can be replaced if desired.

Replace the paragraph at page 3 line 28 - page 4 line 2 with the following amended paragraph:

With reference to Figure 2, a plastic housing 10 contains a single layer solenoid 11. Solenoid 11 is dimensioned so as to allow the free travel of the male connector part when the connectors are mated. The ends of solenoid 11 are brought out to terminals ~~12a and 12b~~ 13a and 13b to facilitate electrical connection to the ultrasound drive electronics (not shown). The solenoid 11 may be glued or bonded into the housing 10 by means of synthetic resin or similar or the housing 10 may be injection moulded around the coil 11.